

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/554,372
Source: JFWP
Date Processed by STIC: 4/27/07

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/554,372

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 ☐ Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 ☐ Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 ☐ Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 ☐ Skipped Sequences
(OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 ☐ Skipped Sequences
(NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 ☒ Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 ☒ Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ☐ Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☒ PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ☒ Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

ExI



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/554,372

DATE: 04/27/2007

TIME: 11:42:58

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04272007\J554372.raw

3 <110> APPLICANT: APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.
 5 <120> TITLE OF INVENTION: Beta-amyloid inhibitors and use thereof
 7 <130> FILE REFERENCE: WO/850
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/554,372
 C--> 9 <141> CURRENT FILING DATE: 2005-10-25
 9 <160> NUMBER OF SEQ ID NOS: 11
 11 <170> SOFTWARE: PatentIn version 3.1
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 7
 15 <212> TYPE: PRT
 16 <213> ORGANISM: synthetic construct
 18 <220> FEATURE:
 19 <221> NAME/KEY: MISC_FEATURE
 20 <222> LOCATION: (1)..(1)
 21 <223> OTHER INFORMATION: X can be absent or is an acetyl group
 24 <220> FEATURE:
 25 <221> NAME/KEY: MISC_FEATURE
 26 <222> LOCATION: (2)..(2)
 27 <223> OTHER INFORMATION: X is the following fragment [Lys X2 X3 Phe Gln]m
 wherein X2 is selected
 28 from Ile and Leu and X3 is selected from Pro and Trp. m is an integer
 selected
 29 from 0 and 1.
 32 <220> FEATURE:
 33 <221> NAME/KEY: MISC_FEATURE
 34 <222> LOCATION: (6)..(6)
 35 <223> OTHER INFORMATION: X is the following fragment [Lys X4 Pro Phe Gln]n
 wherein X4 is selected
 36 from Ile and Leu. n is an integer selected from 1 and 2.
 39 <220> FEATURE:
 40 <221> NAME/KEY: MISC_FEATURE
 41 <222> LOCATION: (7)..(7)
 42 <223> OTHER INFORMATION: X is a peptidic moiety of a length selected from
 1, 2, 3, 4, 5, 6, 7 and
 43 8 and containing at least one basic amino acid and which is amidated
 at the C-
 44 terminus
 47 <400> SEQUENCE: 1
 W--> 49 Xaa Xaa Arg Gln Ile Xaa Xaa
 50 1 5
 53 <210> SEQ ID NO: 2
 54 <211> LENGTH: 8
 55 <212> TYPE: PRT
 56 <213> ORGANISM: synthetic construct

Does Not Comply
Corrected Diskette Needed
(p5.1-6) @

Invalid
response

See item #10 on error
Summary
Sheet.

See item #10 on error
Summary
Sheet.
FYI, See
item #13 on
error summary
Sheet.

58 <220> FEATURE:
59 <221> NAME/KEY: MISC_FEATURE
60 <222> LOCATION: (2)..(2)
61 <223> OTHER INFORMATION: X is selected from Arg and Lys.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/554,372

DATE: 04/27/2007

TIME: 11:42:58

Input Set : A:\PTO.KD.txt

Output Set : N:\CRF4\04272007\J554372.raw

64 <220> FEATURE:
 65 <221> NAME/KEY: MISC_FEATURE
 66 <222> LOCATION: (3)..(3)
 67 <223> OTHER INFORMATION: X is selected from Arg and Lys.
 70 <220> FEATURE:
 71 <221> NAME/KEY: MISC_FEATURE
 72 <222> LOCATION: (5)..(5)
 73 <223> OTHER INFORMATION: X is selected from Arg and Lys.
 76 <220> FEATURE:
 77 <221> NAME/KEY: MISC_FEATURE
 78 <222> LOCATION: (7)..(7)
 79 <223> OTHER INFORMATION: X is selected from Arg and Lys.
 82 <220> FEATURE:
 83 <221> NAME/KEY: MISC_FEATURE
 84 <222> LOCATION: (8)..(8)
 85 <223> OTHER INFORMATION: X is selected from amidated Arg and amidated Lys.
 88 <400> SEQUENCE: 2
 W--> 90 Asn Xaa Xaa Met Xaa Trp Xaa Xaa
 91 1 5
 94 <210> SEQ ID NO: 3
 95 <211> LENGTH: 7
 96 <212> TYPE: PRT
 97 <213> ORGANISM: synthetic construct
 99 <220> FEATURE:
 100 <221> NAME/KEY: MISC_FEATURE
 101 <222> LOCATION: (1)..(1)
 102 <223> OTHER INFORMATION: X can be absent or is an acetyl group
 105 <220> FEATURE:
 106 <221> NAME/KEY: MISC_FEATURE
 107 <222> LOCATION: (2)..(2)
 108 <223> OTHER INFORMATION: X is the following fragment [Lys X2 X3 Phe Gln]m
 wherein X2 is selected
 109 from Ile and Leu and X3 is selected from Pro and Trp. m is an
 integer selected
 110 from 0 and 1.
 113 <220> FEATURE:
 114 <221> NAME/KEY: MISC_FEATURE
 115 <222> LOCATION: (6)..(6)
 116 <223> OTHER INFORMATION: X is the following fragment [Lys X4 X5 Phe Gln]n
 wherein X4 is selected
 117 from Ile and Leu, X5 is selected from Pro and Trp. n is an integer
 selected from
 118 1 and 2
 121 <220> FEATURE:
 122 <221> NAME/KEY: MISC_FEATURE
 123 <222> LOCATION: (7)..(7)
 124 <223> OTHER INFORMATION: X is a peptidic moiety of a length selected from
 1, 2, 3, 4, 5, 6, 7 and
 125 8 and containing at least one basic amino acid and which is amidated
 at the C-
 126 terminus.
 129 <400> SEQUENCE: 3
 W--> 131 Xaa Xaa Arg Gln Ile Xaa Xaa

Same
ErrorSee
item # 10
on error
summary
SheetFYI, see item
13 on error summary
Sheet

132 1 5
135 <210> SEQ ID NO: 4

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/554,372

DATE: 04/27/2007

TIME: 11:42:58

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04272007\J554372.raw

✓ SAME
errors

136 <211> LENGTH: 16
 137 <212> TYPE: PRT
 138 <213> ORGANISM: synthetic construct
 140 <220> FEATURE:
 141 <221> NAME/KEY: MISC_FEATURE
 142 <222> LOCATION: (16)..(16)
 143 <223> OTHER INFORMATION: X is amidated Lysine
 146 <400> SEQUENCE: 4

W--> 148 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Xaa
 149 1 5 10 15

152 <210> SEQ ID NO: 5
 153 <211> LENGTH: 5
 154 <212> TYPE: PRT
 155 <213> ORGANISM: synthetic construct
 157 <220> FEATURE:
 158 <221> NAME/KEY: MISC_FEATURE
 159 <222> LOCATION: (1)..(1)
 160 <223> OTHER INFORMATION: X is Acetylated Leucine
 163 <220> FEATURE:
 164 <221> NAME/KEY: MISC_FEATURE
 165 <222> LOCATION: (5)..(5)
 166 <223> OTHER INFORMATION: X is amidated aspartic acid
 169 <400> SEQUENCE: 5

W--> 171 Xaa Pro Phe Phe Xaa

172 1 5
 175 <210> SEQ ID NO: 6
 176 <211> LENGTH: 21
 177 <212> TYPE: PRT
 178 <213> ORGANISM: synthetic construct
 180 <220> FEATURE:
 181 <221> NAME/KEY: MISC_FEATURE
 182 <222> LOCATION: (21)..(21)
 183 <223> OTHER INFORMATION: X is amidated Aspartic Acid
 186 <400> SEQUENCE: 6

188 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
 189 1 5 10 15

W--> 192 Leu Pro Phe Phe Xaa

193 20
 196 <210> SEQ ID NO: 7
 197 <211> LENGTH: 16
 198 <212> TYPE: PRT
 199 <213> ORGANISM: synthetic construct
 201 <220> FEATURE:
 202 <221> NAME/KEY: MISC_FEATURE
 203 <222> LOCATION: (1)..(1)
 204 <223> OTHER INFORMATION: X is acetylated Arginine.
 207 <220> FEATURE:
 208 <221> NAME/KEY: MISC_FEATURE
 209 <222> LOCATION: (16)..(16)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/554,372

DATE: 04/27/2007

TIME: 11:42:58

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04272007\J554372.raw

210 <223> OTHER INFORMATION: X is amidated amidate Lysine.
213 <400> SEQUENCE: 7
W--> 215 Xaa Gln Ile Lys Ile Pro Phe Gln Asn Arg Arg Met Lys Trp Lys Xaa
216 1 5 10 15
219 <210> SEQ ID NO: 8
220 <211> LENGTH: 21
221 <212> TYPE: PRT
222 <213> ORGANISM: synthetic construct
224 <220> FEATURE:
225 <221> NAME/KEY: MISC_FEATURE
226 <222> LOCATION: (1)..(1)
227 <223> OTHER INFORMATION: X is acetylated Arginine.
230 <220> FEATURE:
231 <221> NAME/KEY: MISC_FEATURE
232 <222> LOCATION: (21)..(21)
233 <223> OTHER INFORMATION: X is amidated Lysine.
236 <400> SEQUENCE: 8
W--> 238 Xaa Gln Ile Lys Ile Pro Phe Gln Lys Ile Pro Phe Gln Asn Arg Arg
239 1 5 10 15
242 Met Lys Trp Lys Xaa
243 20
246 <210> SEQ ID NO: 9
247 <211> LENGTH: 21
248 <212> TYPE: PRT
249 <213> ORGANISM: synthetic construct
251 <220> FEATURE:
252 <221> NAME/KEY: MISC_FEATURE
253 <222> LOCATION: (1)..(1)
254 <223> OTHER INFORMATION: X is acetylated Lysine.
257 <220> FEATURE:
258 <221> NAME/KEY: MISC_FEATURE
259 <222> LOCATION: (21)..(21)
260 <223> OTHER INFORMATION: X is amidated Lysine.
263 <400> SEQUENCE: 9
W--> 265 Xaa Ile Trp Phe Gln Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg
266 1 5 10 15
269 Met Lys Trp Lys Xaa
270 20
273 <210> SEQ ID NO: 10
274 <211> LENGTH: 8
275 <212> TYPE: PRT
276 <213> ORGANISM: synthetic construct
278 <220> FEATURE:
279 <221> NAME/KEY: MISC_FEATURE
280 <222> LOCATION: (8)..(8)
281 <223> OTHER INFORMATION: X is amidated Lysine
284 <400> SEQUENCE: 10
W--> 286 Asn Arg Arg Met Lys Trp Lys Xaa
287 1 5

✓ SA MP
errors

RAW SEQUENCE LISTING

DATE: 04/27/2007

PATENT APPLICATION: US/10/554,372

TIME: 11:42:58

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04272007\J554372.raw

290 <210> SEQ ID NO: 11

291 <211> LENGTH: 42

292 <212> TYPE: PRT

293 <213> ORGANISM: human

295 <400> SEQUENCE: 11

297 Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys

298 1 5 10 15

301 Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile

302 20 25 30

305 Gly Leu Met Val Gly Gly Val Val Ile Ala

306 35 40

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/554,372

DATE: 04/27/2007
TIME: 11:42:59

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\04272007\J554372.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,6,7
Seq#:2; Xaa Pos. 2,3,5,7,8
Seq#:3; Xaa Pos. 1,2,6,7
Seq#:4; Xaa Pos. 16
Seq#:5; Xaa Pos. 1,5
Seq#:6; Xaa Pos. 21
Seq#:7; Xaa Pos. 1,16
Seq#:8; Xaa Pos. 1,21
Seq#:9; Xaa Pos. 1,21
Seq#:10; Xaa Pos. 8

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 27,35,42
Seq#:3; Line(s) 108,116,117,124

VERIFICATION SUMMARY

DATE: 04/27/2007

PATENT APPLICATION: US/10/554,372

TIME: 11:42:59

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04272007\J554372.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:16
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
M:341 Repeated in SeqNo=8
L:265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
M:341 Repeated in SeqNo=9
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0